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1132 U.S. PTO

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PTO/SB/05 (03-01)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	N1-P102
First Inventor	Varadarajan Srinivasan
Title	CONTENT ADDRESSABLE MEMORY DEVICE WITH ERROR DETECTION
Express Mail Label No.	EL 910 085 067 US

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

**ADDRESS TO:** Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages **55**]  
(preferred arrangement set forth below)
- Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets **15**]
5. ☒ Oath or Declaration [Total Pages **3**]
- a. ☒ Newly executed (original or copy)
- b. ☐ Copy from a prior application (37 CFR 1.63 (d))  
(for continuation/divisional with Box 18 completed)
- i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
- a. ☐ Computer Readable Form (CRF)
- b. Specification Sequence Listing on:
- i. ☐ CD-ROM or CD-R (2 copies); or
- ii. ☐ paper
- c. ☐ Statements verifying identity of above copies

**ACCOMPANYING APPLICATION PARTS**

9. ☒ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement (when there is an assignee) ☐ Power of Attorney
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☒ Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☒ Other: Power of attorney included with Declaration

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

of prior application No. \_\_\_\_\_/\_\_\_\_\_

Prior application information:

Examiner \_\_\_\_\_

Group Art Unit \_\_\_\_\_

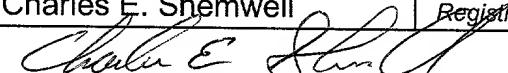
For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**19. CORRESPONDENCE ADDRESS**☐ Customer Number or Bar Code Label

(Insert Customer No. or Attach bar code label here)

or ☐ Correspondence address below

Name	Charles E. Shemwell				
Address	998 East El Camino Real				
	Suite 204				
City	Sunnyvale	State	California	Zip Code	94087-7913
Country	U.S.A.	Telephone	408-736-3221	Fax	408-736-3248

Name (Print/Type)	Charles E. Shemwell	Registration No. (Attorney/Agent)	40,171
Signature		Date	August 3, 2001

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

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08/03/01

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# FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT

(\$ 2,156.00

## Complete if Known

Application Number	
Filing Date	Herewith
First Named Inventor	Varadarajan Srinivasan
Examiner Name	
Group Art Unit	
Attorney Docket No.	N1-P102

## METHOD OF PAYMENT

1. ☐ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit  
Account  
Number

501914

Deposit  
Account  
Name

- ☒ Charge Any Additional Fee Required  
Under 37 CFR 1.16 and 1.17

- ☐ Applicant claims small entity status  
See 37 CFR 1.27

2. ☒ Payment Enclosed:

- ☒ Check ☐ Credit card ☐ Money  
Order ☐ Other

## FEE CALCULATION

## 1. BASIC FILING FEE

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
101	710	201	355	Utility filing fee	\$710
106	320	206	160	Design filing fee	
107	490	207	245	Plant filing fee	
108	710	208	355	Reissue filing fee	
114	150	214	75	Provisional filing fee	

SUBTOTAL (1) (\$ 710

## 2. EXTRA CLAIM FEES

Total Claims	Extra Claims	Fee from below	Fee Paid
67	-20** = 47	\$18	\$846
10	-3** = 7	\$80	\$560
Multiple Dependent			

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
103	18	203	9	Claims in excess of 20	
102	80	202	40	Independent claims in excess of 3	
104	270	204	135	Multiple dependent claim, if not paid	
109	80	209	40	** Reissue independent claims over original patent	
110	18	210	9	** Reissue claims in excess of 20 and over original patent	

SUBTOTAL (2)

(\$ 1,406

\*\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

## 3. ADDITIONAL FEES

Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for ex parte reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	390	216	195	Extension for reply within second month	
117	890	217	445	Extension for reply within third month	
118	1,390	218	695	Extension for reply within fourth month	
128	1,890	228	945	Extension for reply within fifth month	
119	310	219	155	Notice of Appeal	
120	310	220	155	Filing a brief in support of an appeal	
121	270	221	135	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,240	241	620	Petition to revive - unintentional	
142	1,240	242	620	Utility issue fee (or reissue)	
143	440	243	220	Design issue fee	
144	600	244	300	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17(q)	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	\$40
146	710	246	355	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	710	249	355	For each additional invention to be examined (37 CFR § 1.129(b))	
179	710	279	355	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 40

## SUBMITTED BY

Name (Print/Type)

Charles E. Shemwell

Registration No.  
(Attorney/Agent)

40, 171

## Complete (if applicable)

Telephone

408-736-3221

Signature

Charles E. Shemwell

Date

August 3, 2001

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

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## EXPRESS MAIL CERTIFICATE OF MAILING

Express Mail" mailing label number: EL 910 085 067 US

Date of Deposit: August 3, 2001

I hereby certify that I am causing the paper(s) and/or fee(s) indicated below to be deposited with the United States Postal Service "Express Mail Post Office to Addressee" service on the date indicated above and that the paper(s) and/or fee(s) have been addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Charles E. Shemwell

(Typed or printed name of person mailing paper(s) or fee(s))

Charles E. Shemwell  
(Signature of person mailing paper or fee)

August 3, 2001  
(Date signed)

- |                                                                                                         |                                                                               |
|---------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| <input type="checkbox"/> Amendment/Response ( pgs.)                                                     | <input type="checkbox"/> Petition for Extension of Time ( month(s))           |
| <input type="checkbox"/> Preliminary Amendment ( pgs.)                                                  | <input type="checkbox"/> Information Disclosure Statement & PTO 1449          |
| <input checked="" type="checkbox"/> Application* - Utility (57 pgs., with cover & abstract)             | <input type="checkbox"/> Issue Fee Transmittal                                |
| <input type="checkbox"/> Application - Rule 1.53(b) Continuation ( pgs.)                                | <input type="checkbox"/> Submission of Formal Drawings                        |
| <input type="checkbox"/> Application - Rule 1.53(b) Divisional ( pgs.)                                  | <input type="checkbox"/> Notice of Appeal                                     |
| <input type="checkbox"/> Application - Rule 1.53(b) CIP ( pgs.)                                         | <input type="checkbox"/> Appeal Brief ( pgs. in triplicate)                   |
| <input type="checkbox"/> Application - Rule 1.53(d) CPA ( pgs.)                                         | <input type="checkbox"/> Reply Brief                                          |
| <input type="checkbox"/> Application - PCT ( pgs.)                                                      | <input type="checkbox"/> Response to Notice of Missing Parts                  |
| <input type="checkbox"/> Application - Provisional ( pgs.)                                              | <input checked="" type="checkbox"/> Transmittal Letter (in duplicate)         |
| <input checked="" type="checkbox"/> Drawings (15 sheets)                                                | <input checked="" type="checkbox"/> Fee Transmittal (in duplicate)            |
| <input checked="" type="checkbox"/> Declaration & POA (3 pgs.)                                          | <input checked="" type="checkbox"/> Itemized Postcard                         |
| <input checked="" type="checkbox"/> Assignment & Cover Sheet                                            | <input checked="" type="checkbox"/> Express Mail Certificate Of Mailing       |
| <input type="checkbox"/> Power of Attorney                                                              | <input checked="" type="checkbox"/> Express Mail No. <u>EL 910 085 067 US</u> |
| <input checked="" type="checkbox"/> Other <u>Nonpublication Request under 35 U.S.C. 122(b)(2)(B)(i)</u> |                                                                               |

\* Application title: CONTENT ADDRESSABLE MEMORY WITH ERROR DETECTION

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**NONPUBLICATION REQUEST  
UNDER  
35 U.S.C. 122(b)(2)(B)(i)**

First Named Inventor **Srinivasan**

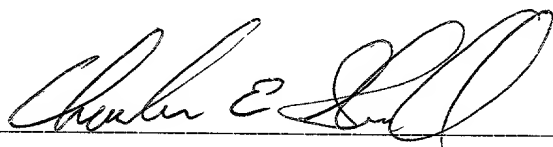
Title **CONTENT ADDRESSABLE MEMORY WITH  
CONCURRENT COMPARE AND ERROR DETECTION**

Atty Docket Number **N1-P102**

I hereby certify that the invention disclosed in the attached application **has not and will not be** the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing.

I hereby request that the attached application not be published under 35 U.S.C. 122(b).

August 3, 2001  
Date

  
Signature

Charles E. Shemwell

Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**